

FIG. 1(a)

PRIOR ART

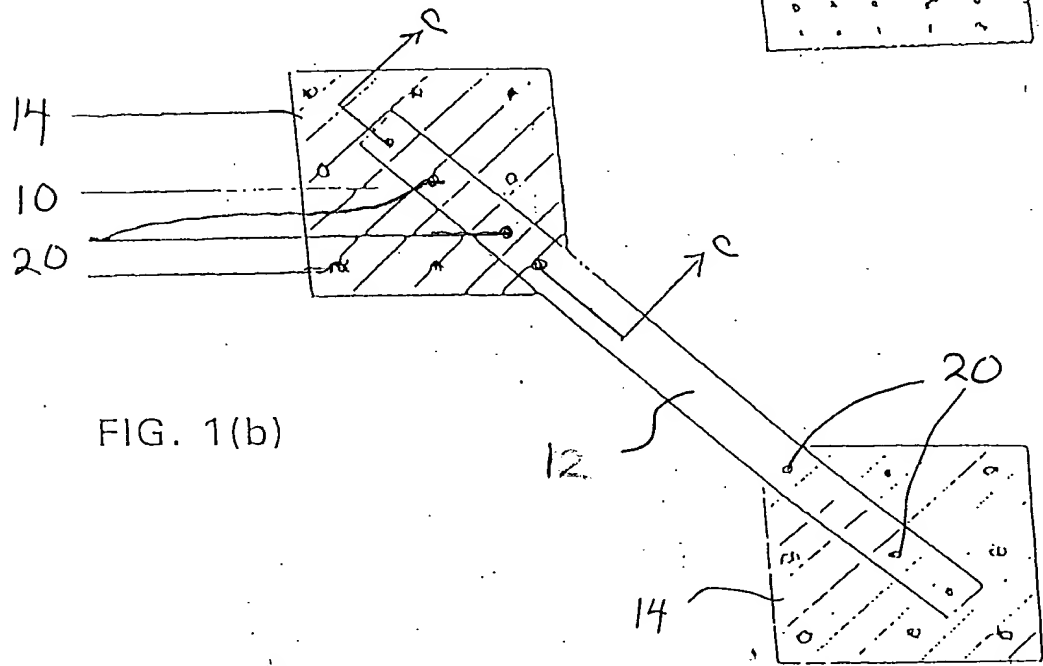


FIG. 1(b)

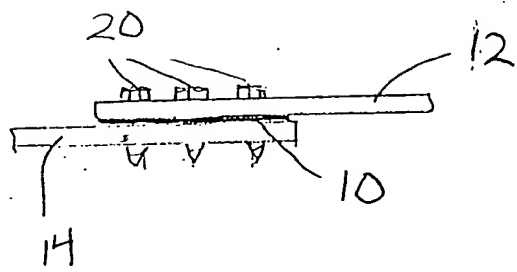


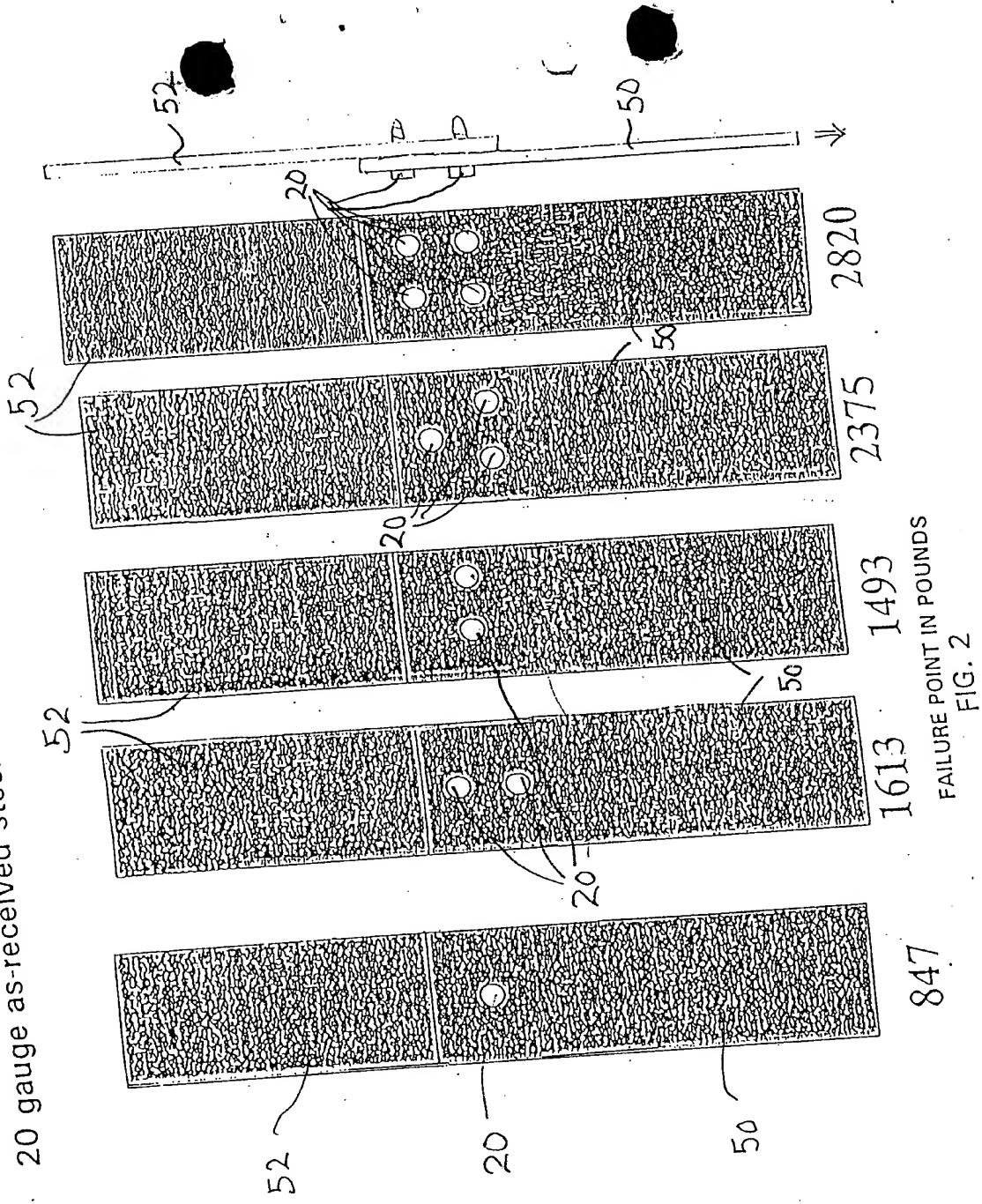
FIG 1(c)

009780-6656E960

LAP-JOINT SHEAR SPECIMENS
SCREWS ONLY

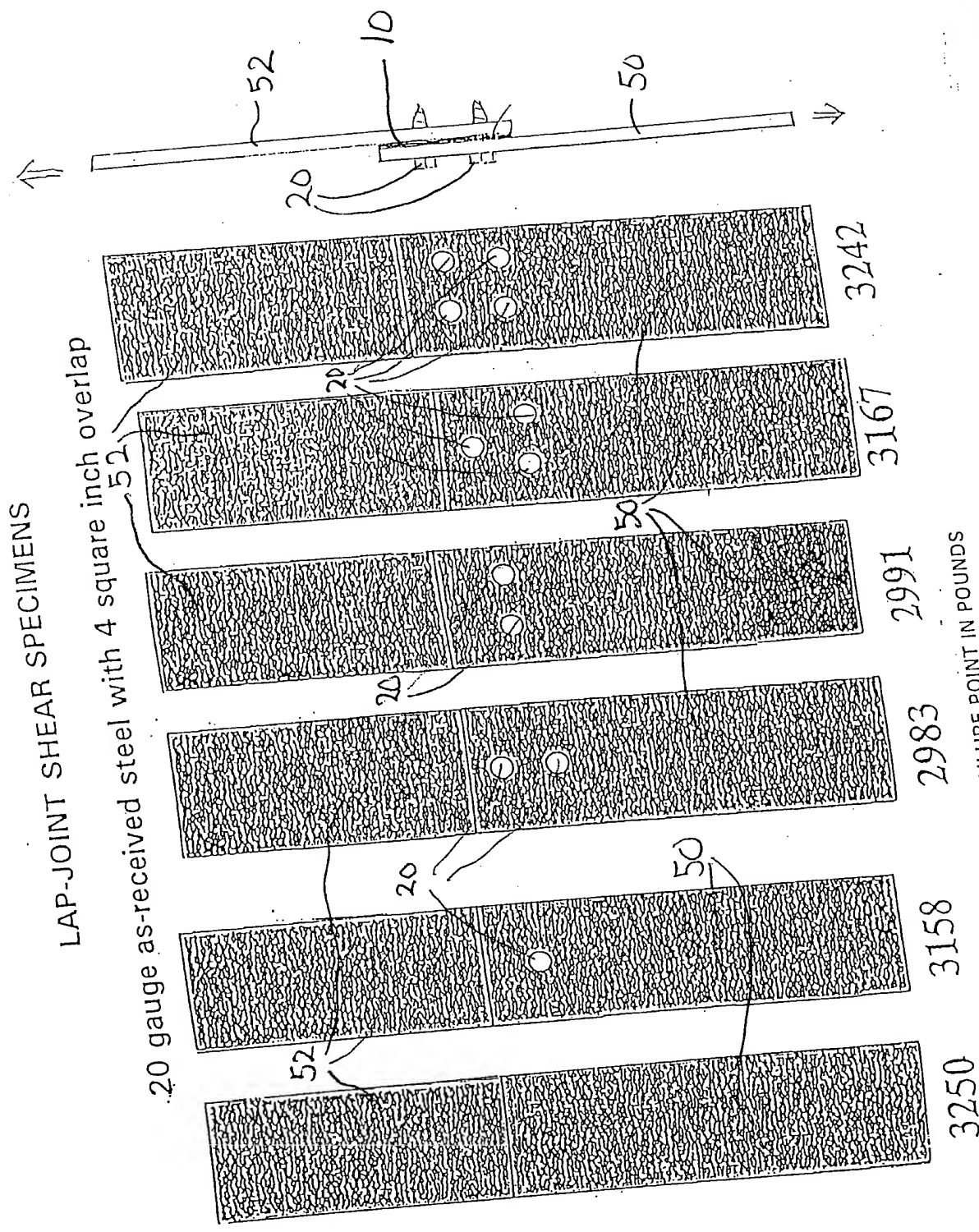


20 gauge as-received steel with 4 square inch overlap



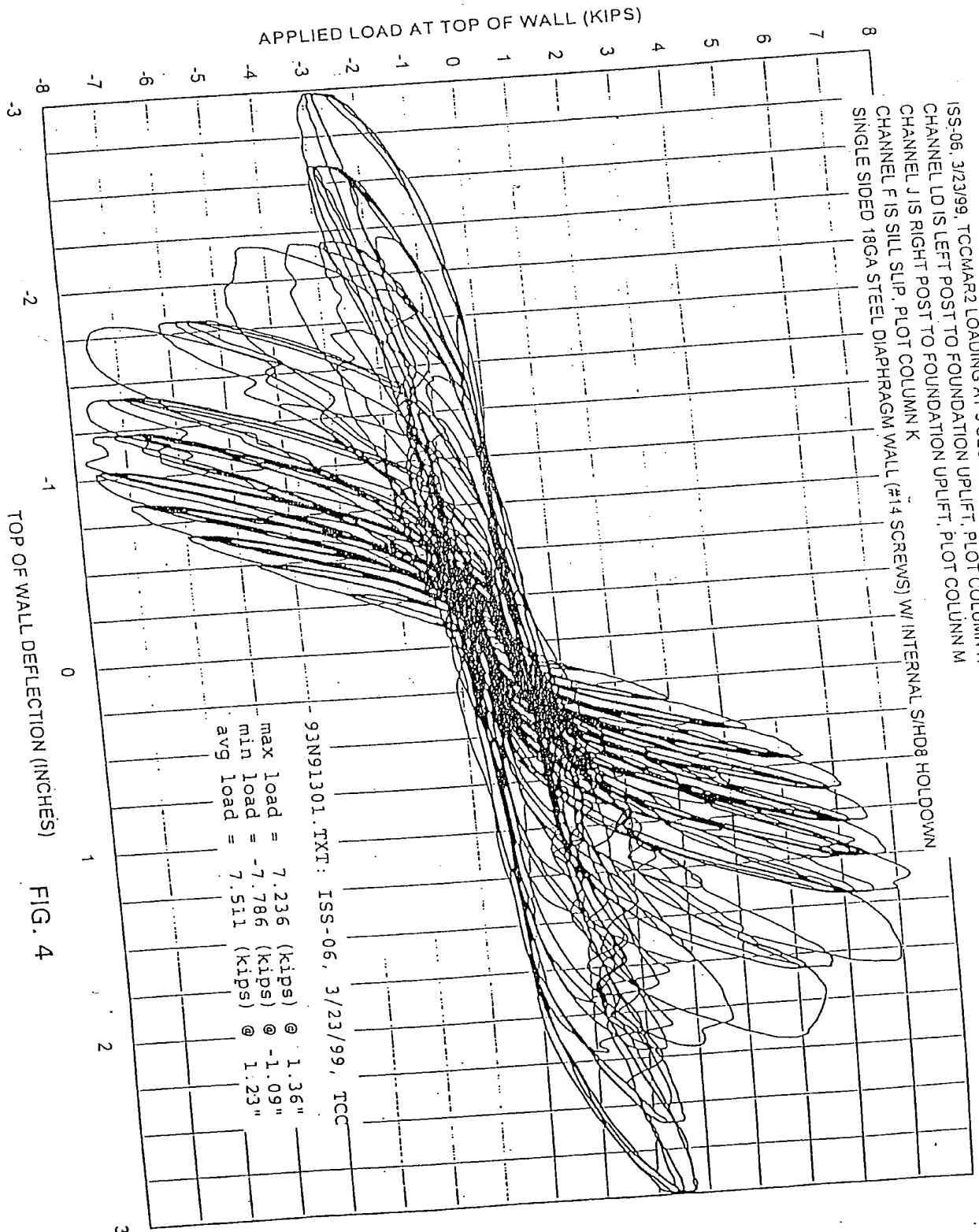
FAILURE POINT IN POUNDS
FIG. 2

0003180-6050E960

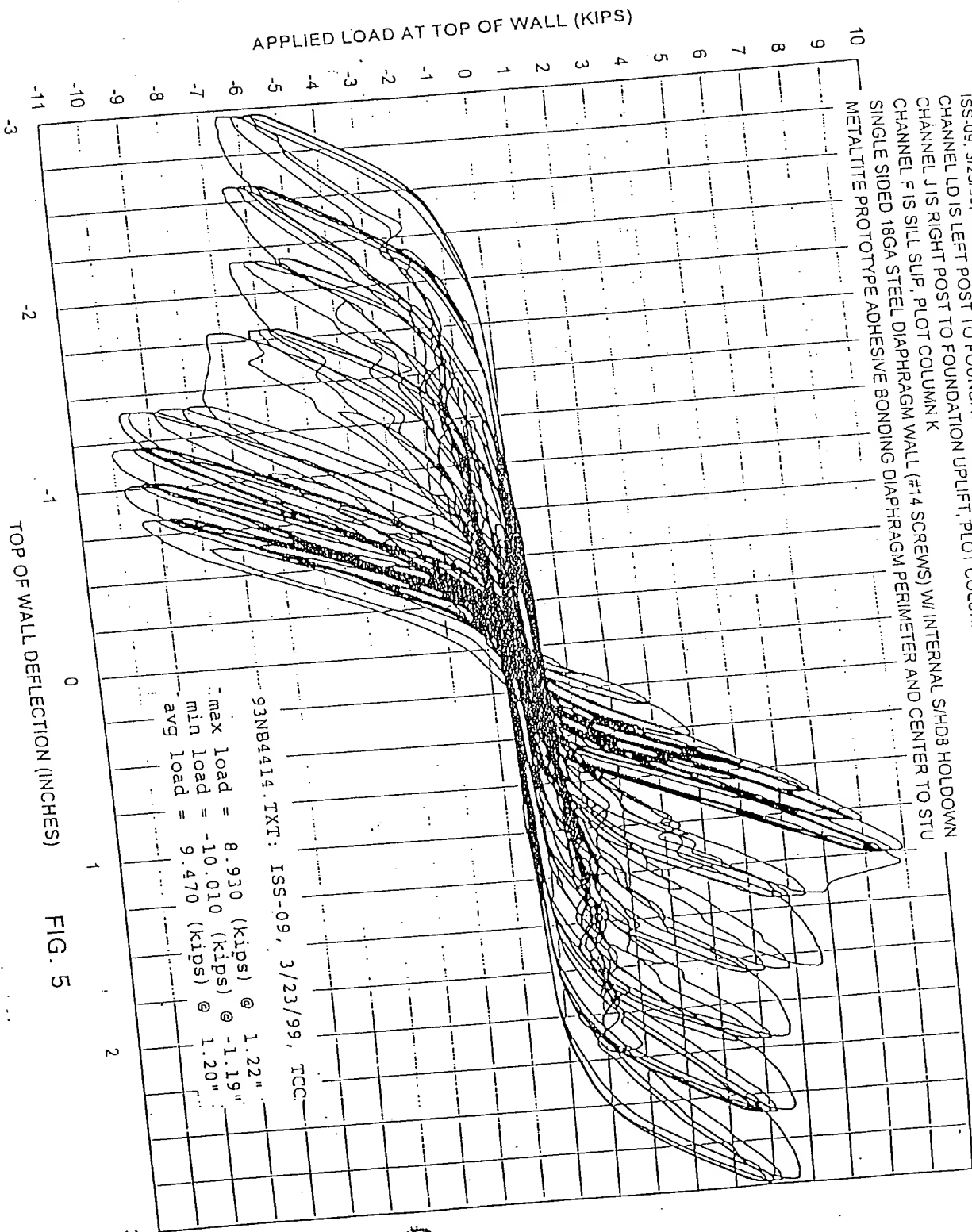


ADHESIVE ONLY

FIG. 3



09629599.081600



ISS-09, 3/23/99, TCCMAR2 LOADING AT 5 SECONDS PER CYCLE, FIVE=0.9
 CHANNEL LD IS LEFT POST TO FOUNDATION UPLIFT, PLOT COLUMN H
 CHANNEL J IS RIGHT POST TO FOUNDATION UPLIFT, PLOT COLUMN M
 CHANNEL F IS SILL SLIP, PLOT COLUMN K
 CHANNEL F IS SILL SLIP, PLOT COLUMN K
 SINGLE SIDED 18GA STEEL DIAPHRAGM WALL (#14 SCREWS) W/ INTERNAL S/H/D8 HOLDOWN
 METALITE PROTOTYPE ADHESIVE BONDING DIAPHRAGM PERIMETER AND CENTER TO STU

FIG. 5

09639599.081600

ISS-04, 3/22/99, TCCMAR2 LOADING AT 5 SECONDS PER CYCLE, FME=0.8
 CHANNEL L0 IS LEFT POST TO FOUNDATION UPLIFT, PLOT COLUMN H
 CHANNEL J IS RIGHT POST TO FOUNDATION UPLIFT, PLOT COLUMN M
 CHANNEL F IS SILL SUP, PLOT COLUMN K
 SINGLE-SIDED 22GA STEEL DIAPHRAGM WALL (#14 SCREWS) W/ INTERNAL S/H08 HOLDOWN

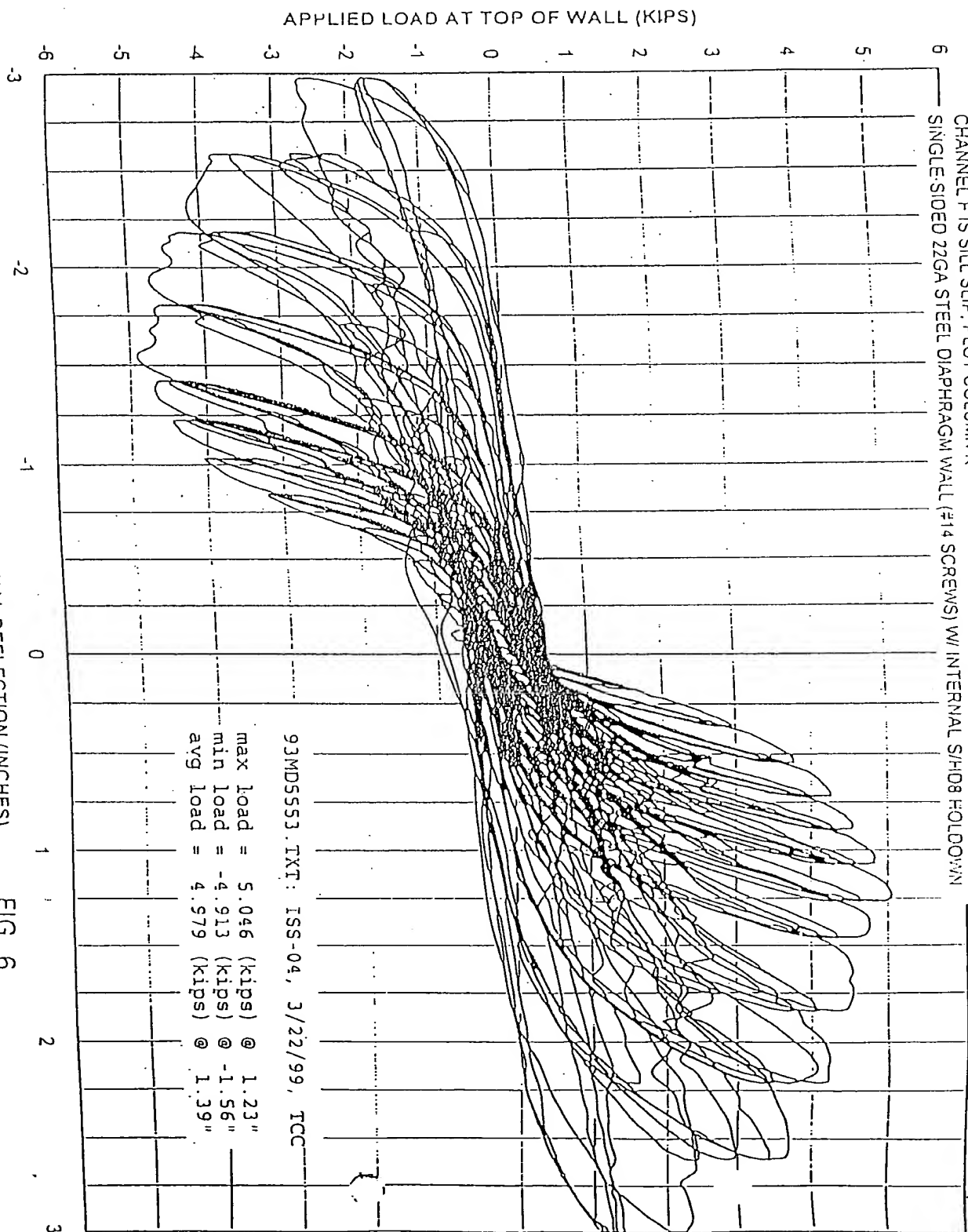


FIG. 6

09639599.081500

ISS-08, 3/23/99, TCCMAR2 LOADING AT 5 SECONDS PER CYCLE, FME=0.9
 CHANNEL LD IS LEFT POST TO FOUNDATION UPLIFT, PLOT COLUMN H
 CHANNEL J IS RIGHT POST TO FOUNDATION UPLIFT, PLOT COLUMN M
 CHANNEL F IS SILL SLIP, PLOT COLUMN K
 SINGLE SIDED 22GA STEEL DIAPHRAGM WALL (#14 SCREWS) W/ INTERNAL S/HDS HOLDOWN
 METALTITE PROTOTYPE ADHESIVE BONDING DIAPHRAGM PERIMETER AND CENTER TO STU

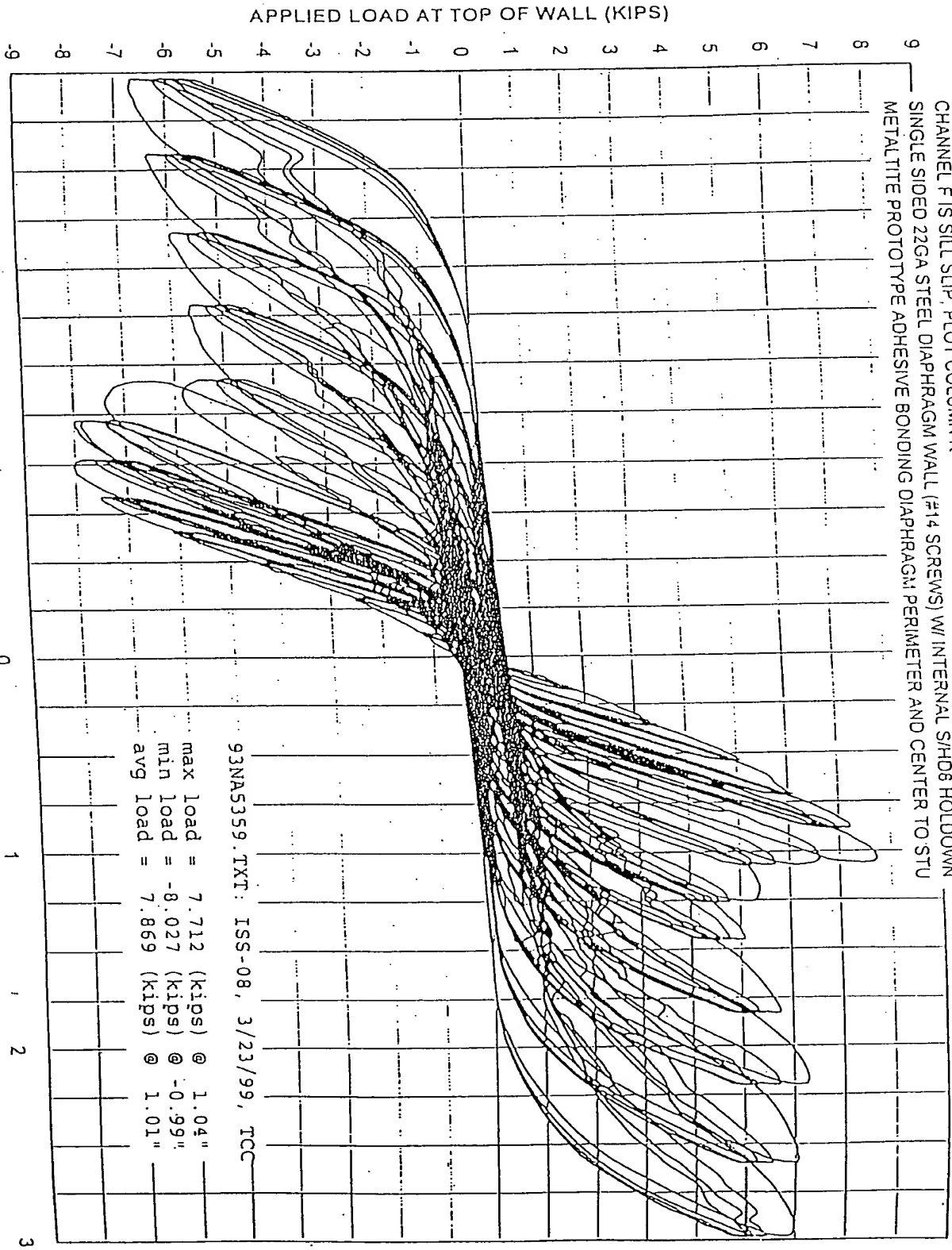


FIG. 7

09639599.031600

009130" 6656E960

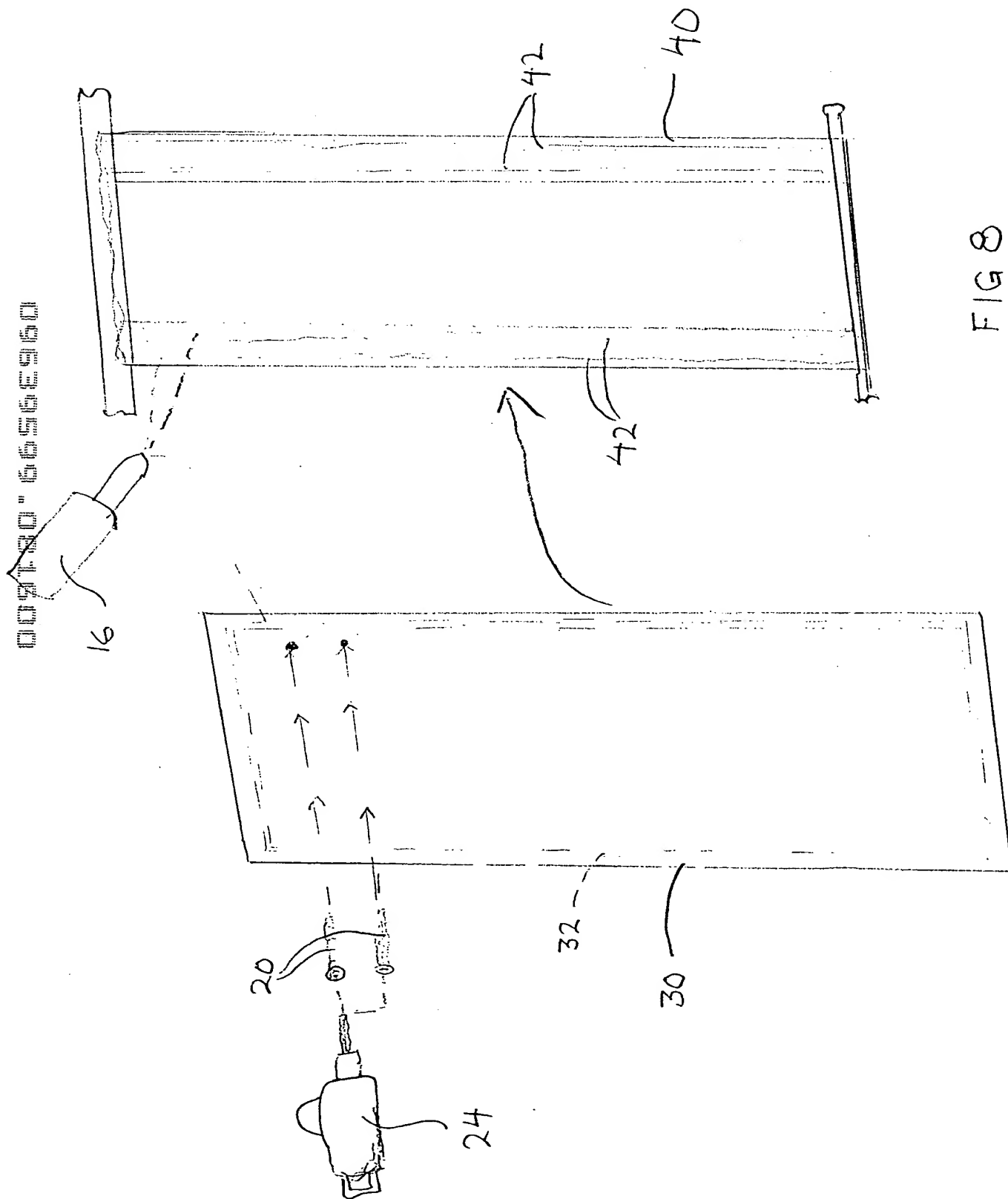


FIG 8

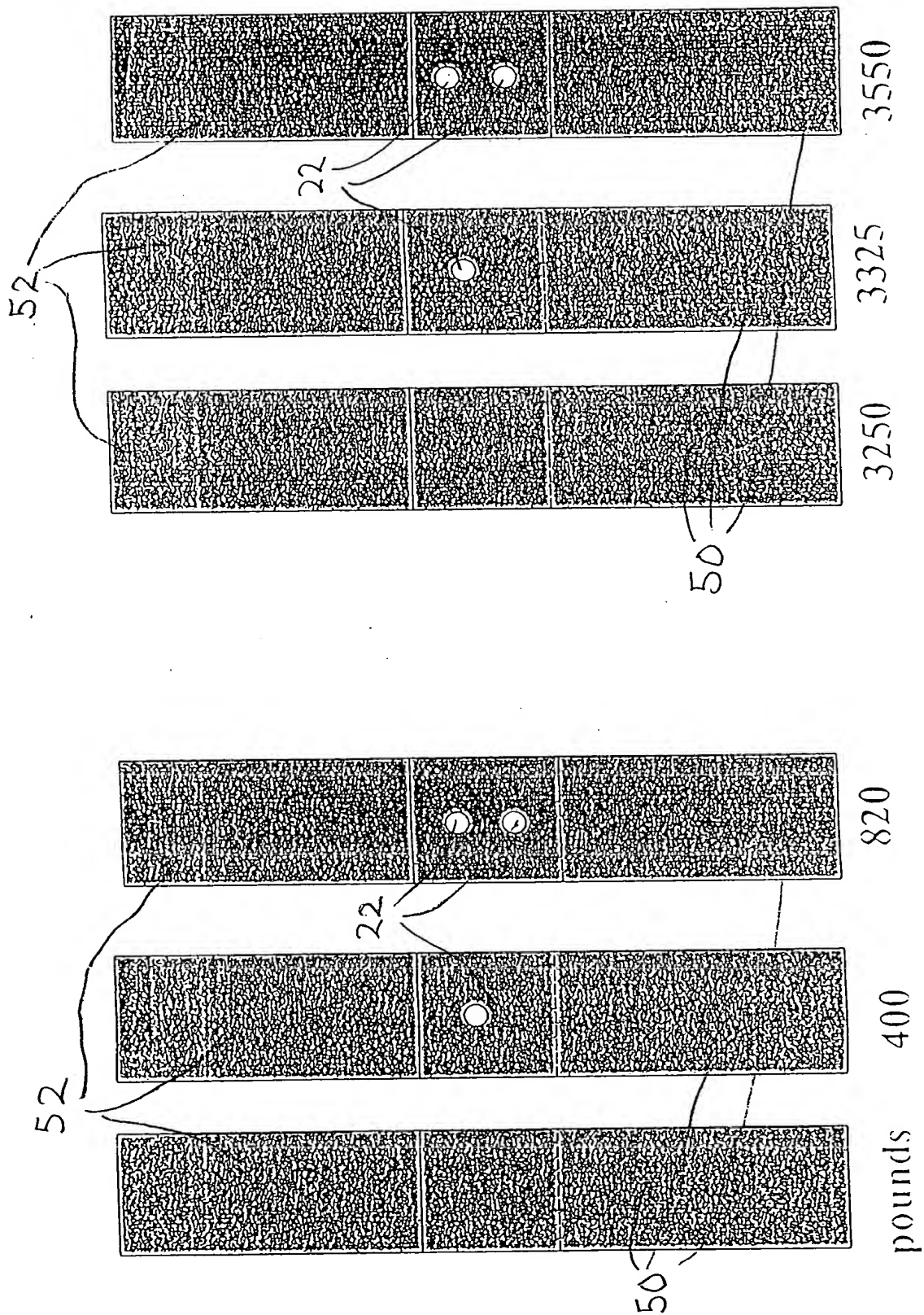


FIG 10

FIG 9